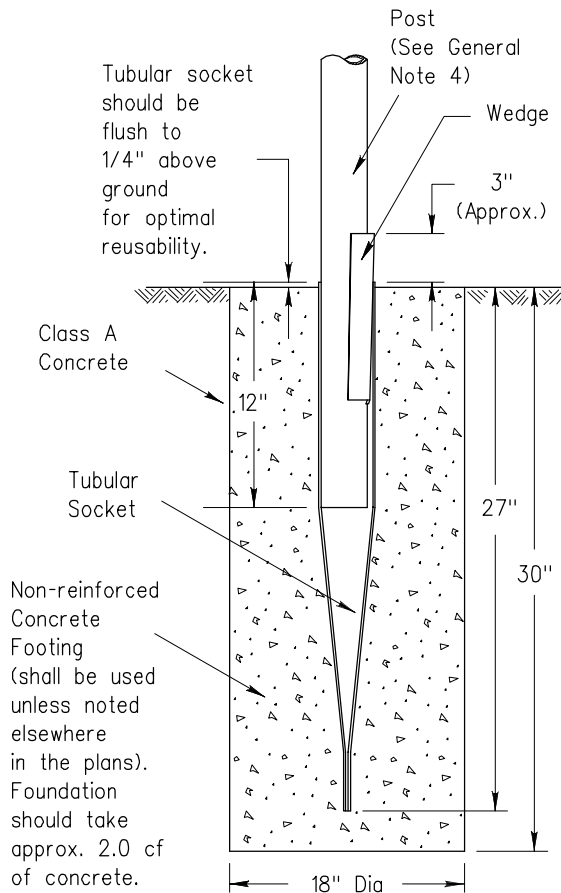


Wedge Anchor Steel System



GENERAL NOTES:

- The Wedge Anchor System with thin wall tubing post may be used to support up to 10 square feet of sign area.
- The wedge shall be permanently marked to indicate manufacturer.
- Except for posts (13 BWG Tubing), clamps, nuts and bolts, all components shall be prequalified. A list of prequalified vendors may be obtained from the TxDOT Material Producer List web page. The website address is:
http://www.txdot.gov/business/producer_list.htm
- Material used as post with this system shall conform to the following:
13 BWG Tubing (2.375" outside diameter) (TWT)
0.095" nominal wall thickness
Seamless or electric-resistance welded steel tubing
Steel shall be HSLAS Gr 55 per ASTM A1011 or ASTM A1008
Other steels may be used if they meet the following:
55,000 PSI minimum yield strength
70,000 PSI minimum tensile strength
18% minimum elongation in 2"
Wall thickness (uncoated) shall be within the range of .083" to .099"
Outside diameter (uncoated) shall be within the range of 2.369" to 2.381"
Galvanization per ASTM 123 or ASTM A653 G210. For precoated steel tubing (ASTM A653), recoat tube outside diameter weld seam by metallizing with zinc wire per ASTM B833.
- Sign blanks shall be the sizes and shapes shown on the plans.
- Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
- See the TxDOT Traffic Operations Division website for detailed drawings of sign clamps and Wedge Anchor System components. The website address is:
<http://www.txdot.gov/publications/traffic.htm>

WEDGE ANCHOR SYSTEM INSTALLATION PROCEDURE

- Dig foundation hole to a minimum depth of 30".
- Place concrete into hole until it is approximately flush with the ground.
Concrete shall be Class A.
- Insert tubular socket into concrete until top of socket is approximately 1/4" above the concrete footing.
- Plumb the socket. Allow a minimum 4 days for concrete to set, unless otherwise directed by Engineer.
- Attach the sign to the sign post.
- Insert the sign post into socket and align sign face with roadway.
- Drive the wedge into the socket to secure post. This will leave approximately 3 inches of the wedge exposed.

REV. DATE: 12/08/11

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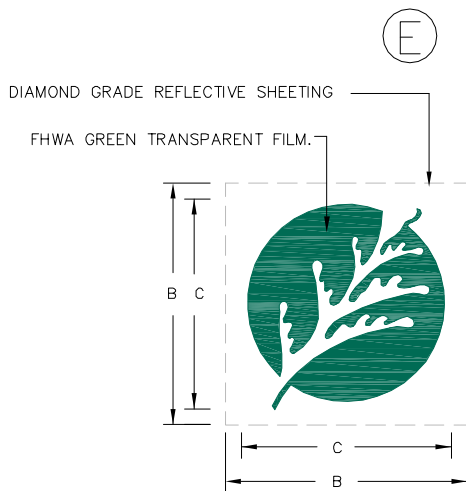
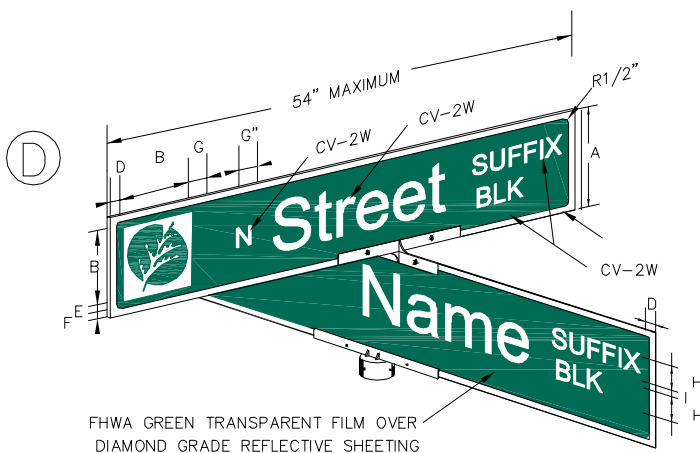
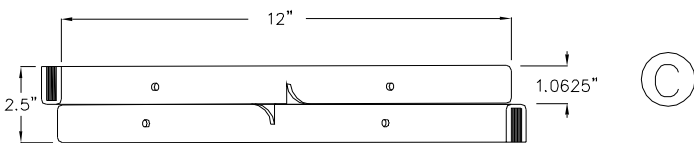
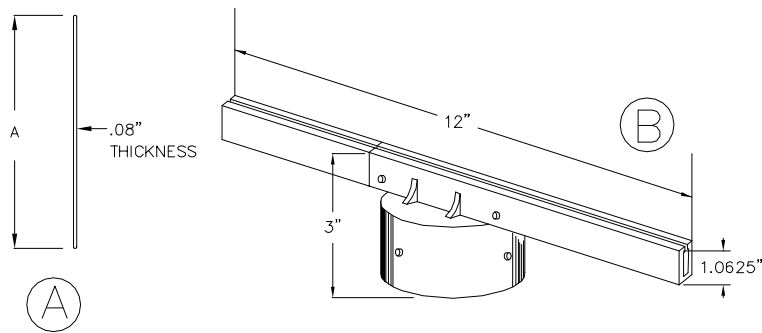
STREET NAME SIGN POLE

DARWIN MARCHELL 09/26/12
APPROVED DATE

ADOPTED: 09/13/2012
SCALE: N.T.S.
INITIAL:

1 OF 3

REV. DATE: 09/26/12



NOTES:

1. BLADES SHALL BE ALUMINUM 6063T5 OR 6063T6 ALLOY .080" THICK. (SEE DETAIL B).
2. CAP TO BE ALUMINUM #380 ALLOY OR EQUAL SLOTTED FOR .08" BLADE; 2.375" I.D. BASE, DIE CAST AND POLISHED. CAP SHALL BE TAPPED TO RECEIVE AND INCLUDE 3 STAINLESS STEEL SET SCREWS FOR POST MOUNTING AND 2 STAINLESS STEEL SET SCREWS FOR BLADE MOUNTING. SET SCREWS TO HAVE ALLEN HEADS (SEE DETAIL B).
3. BLADE SPACER BRACKET SHALL MEET SAME SPECIFICATIONS AS THE CAP WITH 2 SCREWS TO EACH BLADE MOUNTING (SEE DETAIL C).
4. THE FACE OF ALL BLADES SHALL BE COVERED WITH WHITE DIAMOND GRADE SHEETING WITH REVERSED SCREENED FHWA GREEN TRANSPARENT FILM. THE PRIMARY, PREFIX, AND SUFFIX LETTERS SHALL BE CV-2W. BLOCK NUMBERS SHALL BE PLACED IN THE LOWER RIGHT CORNER. MAXIMUM SIGN LENGTH IS 54 INCHES. IF NECESSARY, FHWA SERIES C OR B LETTERS CAN BE USED TO REDUCE THE LENGTH OF SIGNS THAT WOULD NORMALLY EXCEED 54 INCHES.
5. LETTER HEIGHTS AND SIGN DIMENSIONS SHALL BE BASED ON THE VALUES SHOWN IN DETAIL F.
6. USE A PREPARED ALLUMINUM BLADE, WHICH HAS BEEN CLEANED AND ALL FOREIGN MATERIAL REMOVED (SEE DETAIL D).
7. LETTERS, NUMBERS AND SPACING SHALL CONFORM TO THE STANDARD ALPHABETS FOR HIGHWAY SIGNS, LATEST EDITION, AND THE LATEST EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
8. ALL STREET NAME SIGNS ARE SUBJECT TO APPROVAL BY THE CITY ENGINEER. BLOCK NUMBERS SHALL BE PROVIDED ON SIGNS AND CORRESPOND TO OFFICIALLY APPROVED ADDRESSES.



DIMENSION*	<= 25 MPH	30-40 MPH	>= 45 MPH
SIGN BLANK (A)	6	9	9
B	4	6	6
C	3.5	5.25	5.25
D	1	1	1
E	0.375	0.5	0.5
F	0.375	0.5	0.5
G	1	2	2
H	2	3	3
I	0.5	1	1
PRIMARY LETTER	4	6	7
DIRECTION	4	6	6
SUFFIX	2	2.5	3
BLOCK NO.	2	2.5	3

*ALL DIMENSIONS ARE IN INCHES

CITY OF CEDAR PARK
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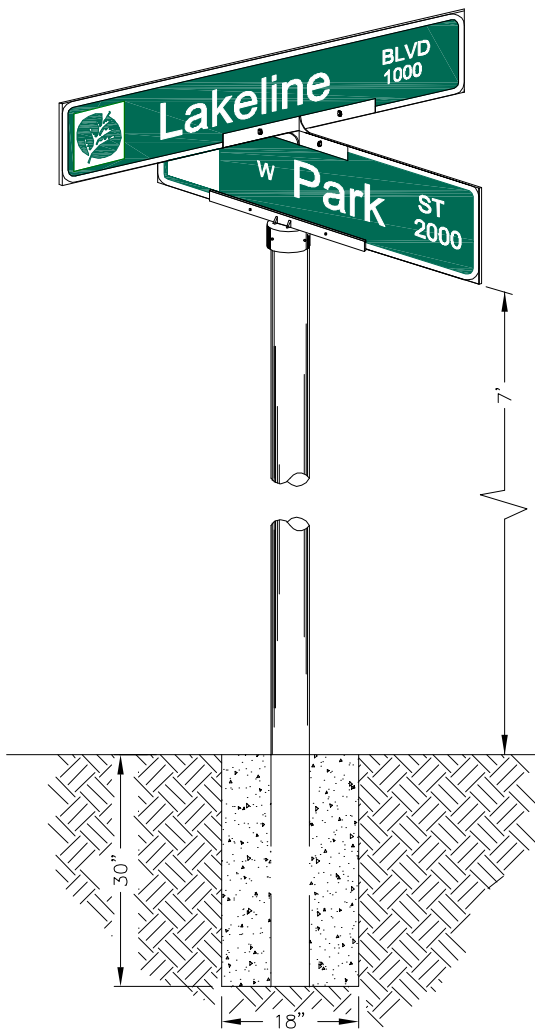
STREET NAME SIGN POLE

DARWIN MARCHELL 09/26/12
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INSTALLATION OF STREET NAME SIGN

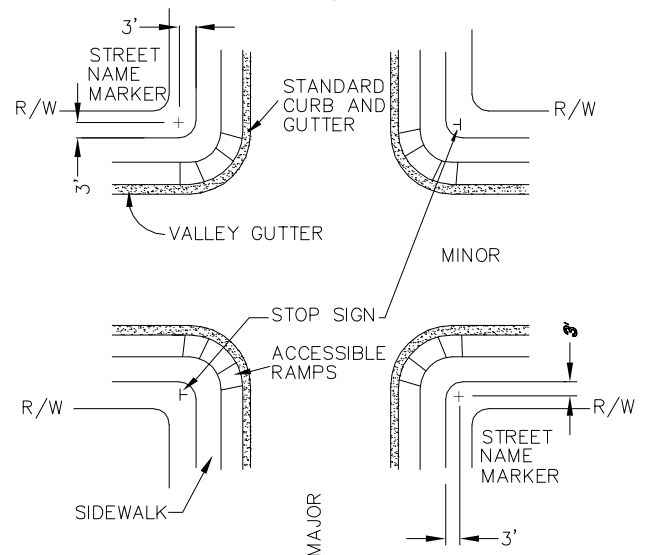


NOTES

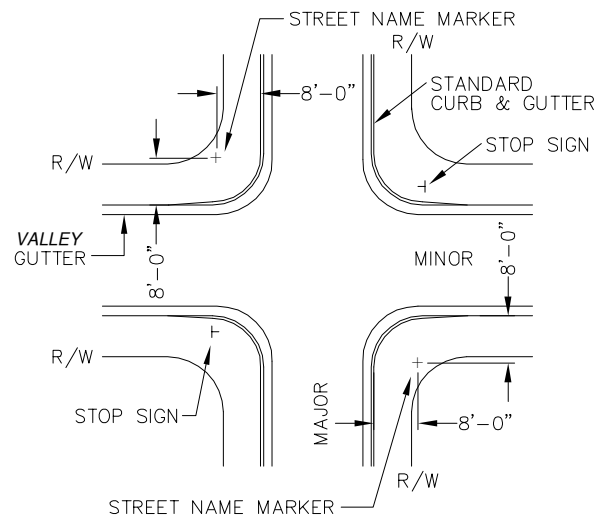
1. TWO STREET NAME MARKERS ARE REQUIRED IF THE MAJOR STREET HAS 3 OR MORE LANES.
2. MINIMUM CLEARANCE TO BOTTOM OF LOWEST SIGN IS 7 FT. IF STREET NAME SIGNS ARE MOUNTED ON TOP OF A STOP SIGN, CLEARANCE IS TO THE BOTTOM OF THE STOP SIGN
3. ANY VARIANCE FROM THIS STANDARD MUST BE APPROVED BY THE CITY ENGINEER.

NOT TO SCALE

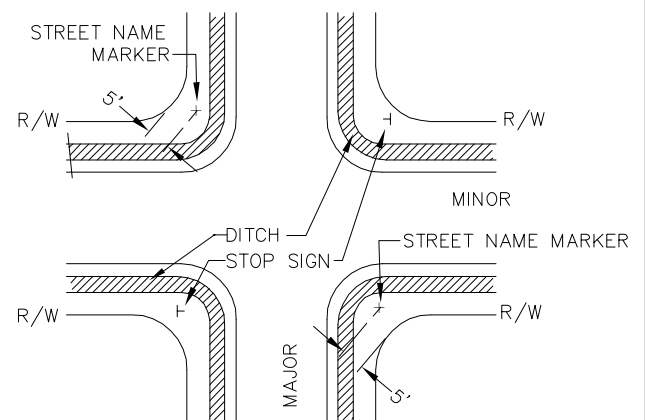
INTERSECTION with SIDEWALK, CURB, and GUTTER (Typ. Residential)



INTERSECTION with CURB and GUTTER



INTERSECTION with DITCHES, and NO CURB and GUTTER



CITY OF CEDAR PARK
ENGINEERING DEPARTMENT

STREET NAME SIGN POLE

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REV. DATE: 12/08/11